

Appl. No. 10/617,575
Amtd. Dated Nov. 16, 2004
Reply to Office Action of October 13, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): A cable assembly comprising:
an insulating housing defining a plurality of cavities;
a plurality of contacts received in corresponding cavities of the housing, each contact comprising an intermediate portion, a central contact beam extending from one end of the intermediate portion and being deflectable relative to the intermediate portion along a first direction, a pair of side contact beams extending from two opposite sides of the intermediate portion and being deflectable relative to the intermediate portion along a second direction different from the first direction and a tail portion extending from an opposite end of the intermediate portion; and
a plurality of cables terminated to the tail portions of corresponding contacts,
wherein the central contact beam comprises a first spring arm extending upwardly and rearwardly from the intermediate portion and a second spring arm extending forwardly and downwardly from the first spring arm and having a free end for abutting against the intermediate portion,
wherein the first spring arm has a first curved portion connecting with the one end of the intermediate portion and a second curved portion connecting with the second spring arm for contacting with a complementary contact,
wherein the side contact beams are located between the first and the second curved portions of the central contact beam along a longitudinal direction of the contact,

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wherein the side contact beams comprise a pair of vertical arms located at opposite sides of the first spring arm and a pair of resilient side arms extending rearwardly from the vertical arms and having connecting portions extending toward each other, and

wherein the second curved portion of the first spring arm extends rearwardly beyond the connecting portions of the resilient side arms.

Claims 2-10 (canceled)

Claim 11 (original): The cable assembly as claimed in claim 1, wherein the housing is formed with a plurality of latching bosses on a top thereof for being received in a corresponding latching slot of a complementary connector.

Claims 12-18 (canceled)

Claim 19 (new): A cable assembly comprising:

an insulating housing defining a plurality of cavities;

a plurality of contacts received in corresponding cavities of the housing, each contact comprising an intermediate portion, a central contact beam extending from one end of the intermediate portion and being deflectable relative to the intermediate portion along a first direction, a pair of side contact beams extending from two opposite sides of the intermediate portion and being deflectable relative to the intermediate portion along a second direction different from the first direction and a tail portion extending from an opposite end of the intermediate portion; and

a plurality of cables terminated to the tail portions of corresponding contacts,

wherein the side contact beams comprise a pair of vertical arms located at opposite sides of the central contact beam and a pair of resilient side arms

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extending rearwardly from the vertical arms and having connecting portions extending toward each other,

wherein the housing defines a pair of slits communicating with the cavity and receiving opposite side edges of the intermediate portion therein, and

wherein the housing defines a slot extending through a front face while not extending through a bottom face thereof, the slot communicating with the cavity, and the intermediate portion of the contact comprises a tab received in the slot.

Claim 20 (new): The cable assembly as claimed in claim 19, wherein the cable includes an inner conductive core and an outer insulator surrounding the inner conductive core, the cable having an exposed conductive core at one end thereof, and wherein the tail portion comprises two pairs of gripping wings respectively crimped onto the exposed conductive core and the insulator.